

## Datasheet: AHP1011

<b>Description:</b>	RABBIT ANTI HUMAN CLUSTERIN
<b>Specificity:</b>	CLUSTERIN
<b>Other names:</b>	APOLIPOPROTEIN J
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to Clusterin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Recombinant human clusterin isoform 1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10909</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1191</a>    CLU    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	APOJ, CLI, KUB1
<b>RRID</b>	AB_2276520
<b>Specificity</b>	<p><b>Rabbit anti Human clusterin antibody</b> recognizes human clusterin, also known as apolipoprotein J, Ku70-binding protein 1 or TRPM-2. Clusterin is a ubiquitous glycoprotein which exists in at least two distinct isoforms; a proapoptotic nuclear form, of ~49 kDa, and a prosurvival secretory form with a molecular mass of 75-80 kDa. Clusterin is implicated in several diverse physiological processes including sperm maturation, cell differentiation, and apoptosis.</p> <p>Clusterin upregulation has been reported in various human malignancies, including bladder, prostate, and breast tumours.</p> <p>Following specific stress induced injury, secretory clusterin acts as a molecular chaperone, scavenging denatured proteins outside cells. Clusterin upregulated in Alzheimer's disease (<a href="#">Miners et al. 2017</a>), retinitis pigmentosa (<a href="#">Jomary et al 1993</a>), glomerulonephritis, atherosclerosis and myocardial infarction (<a href="#">Rosenberg et al. 2002</a>).</p>
<b>Western Blotting</b>	AHP1011 detects a band of approximately 60kDa in human brain tissue lysate.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Trougakos, I.P. &amp; Gonos, E.S. (2002) Clusterin/apolipoprotein J in human aging and cancer. <a href="#">Int J Biochem Cell Biol. 34 (11): 1430-48.</a></li> <li>2. Calero, M. <i>et al.</i> (2005) Clusterin and Alzheimer's disease. <a href="#">Subcell Biochem. 38: 273-98.</a></li> <li>3. Leskov, K.S. <i>et al.</i> (2003) Synthesis and functional analyses of nuclear clusterin, a cell death protein. <a href="#">J Biol Chem. 278 (13): 11590-600.</a></li> <li>4. Carreras, I. <i>et al.</i> (2005) Upregulation of clusterin/apolipoprotein J in lactacystin-treated SH-SY5Y cells. <a href="#">J Neurosci Res. 79 (4): 495-502.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>

**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M381669:210512'

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